

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MICHIGAN, East</b>				
<b>WASHTENAW COUNTY --- 1.2 WNW DEXTER [42.34, -83.89]</b>				
	09/03/08 14:20 EST		21K	Lightning
	09/03/08 14:20 EST		0	Source: Newspaper
A lightning strike damaged part of the roof of the Dexter library and damaged most of the computers and radios at the fire station.				
<b>WAYNE COUNTY --- 0.8 NNE PLYMOUTH [42.38, -83.46], 1.1 NE WATERFORD [42.39, -83.41]</b>				
	09/13/08 20:18 EST		0.25M	Tornado (EF2, L: 2.65 mi , W: 200 yd)
	09/13/08 20:21 EST		0	Source: NWS Storm Survey
At 918 PM Saturday September 13th a tornado occurred in parts of Plymouth and Livonia in Wayne County. The Tornado path length was 2.6 miles and began just west of Starkweather Street near the railroad tracks in Plymouth and tracked eastward across the intersection of Interstates 96 and 275 and ended in Livonia at the intersection of Newburgh and Richfield Roads near Ladywood High School. The maximum path width of the tornado was roughly 200 yards in Plymouth and was 100 yards or less in most other locations along its path. Most of the damage along the path was to trees and was rated mostly at the EF0 level (less than 86 MPH). However, a short stretch of significant roof damage occurred in Plymouth to two apartment buildings in Lake Pointe Village and Brougham Manor. This damage was rated at the EF2 level, or roughly winds to 120 mph.				
A warm front combined with tropical moisture to spawn a tornado in Plymouth.				
<b>MACOMB COUNTY --- 1.0 NNE WARREN [42.53, -82.99], 1.6 SE (MTC)MT CLEMENS/SELF [42.58, -82.81], 3.3 NW (MTC)MT CLEMENS/SELF [42.63, -82.88], 0.7 E STERLING HGTS [42.57, -83.02]</b>				
	09/13/08 22:00 EST		50K	Flood (due to Heavy Rain)
	09/16/08 20:00 EST		0	Source: River/Stream Gage
The Clinton River in Clinton Township crested at 18.32 feet during the evening of September 14th, while the Clinton River near Mount Clemens crested at 16.16 feet during the morning hours of September 16th.				
Moderate Flooding occurred along the middle and north branch of the Clinton River due to heavy rain of close to 6 inches which fell during the weekend of September 13th to 14th. Several roads were closed due to flooding, as well as parks, golf courses, and yards flooded.				
<b>LAPEER COUNTY --- HADLEY [42.95, -83.40], OTTER LAKE [43.22, -83.47], CLIFFORD [43.32, -83.18], ALMONT [42.92, -83.03]</b>				
	09/14/08 14:00 EST		0.13M	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter
<b>LIVINGSTON COUNTY --- GREGORY [42.45, -84.08], 4.0 N FOWLERVILLE [42.73, -84.07], 4.0 NE PARSHALLVILLE [42.72, -83.71], RUSHTON [42.45, -83.68]</b>				
	09/14/08 14:00 EST		0.25M	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter
<b>MACOMB COUNTY --- 2.0 NW ROMEO [42.82, -83.05], MEMPHIS [42.90, -82.75], NEW BALTIMORE [42.68, -82.73], ST CLAIR SHRS [42.48, -82.87], WARREN [42.52, -83.00]</b>				
	09/14/08 14:00 EST		0.75M	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter
<b>OAKLAND COUNTY --- SOUTH LYON [42.47, -83.63], HOLLY [42.80, -83.62], LEONARD [42.87, -83.13], HAZEL PARK [42.47, -83.13]</b>				
	09/14/08 14:00 EST		0.50M	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter
<b>SAGINAW COUNTY --- FENMORE [43.17, -84.35], MERRILL [43.40, -84.33], FREELAND [43.52, -84.12], ARTHUR [43.45, -83.78], BIRCH RUN [43.25, -83.80], LAYTON CORNERS [43.18, -83.98]</b>				
	09/14/08 14:00 EST		0.10M	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter
<b>SHIAWASSEE COUNTY --- SHAFTSBURG [42.80, -84.30], CARLAND [43.05, -84.28], NEW LOTHROP [43.12, -83.97], BYRON [42.82, -83.95]</b>				

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	09/14/08 14:00 EST		50K	Flood (due to Heavy Rain)
	09/15/08 12:00 EST		0	Source: Trained Spotter

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**ST. CLAIR COUNTY --- YALE [43.13, -82.78], LAKEPORT [43.12, -82.48], ALGONAC [42.62, -82.53], ANCHORVILLE [42.68, -82.68], LAMB [42.93, -82.70], ALLENTON [42.92, -82.93], 4.0 N CAPAC [43.08, -82.92]**

09/14/08 14:00 EST	0.30M	Flood (due to Heavy Rain)
09/15/08 12:00 EST	0	Source: Trained Spotter

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**TUSCOLA COUNTY --- QUANICASSEE [43.58, -83.67], THOMAS [43.70, -83.55], CASS CITY [43.60, -83.17], KINGSTON [43.42, -83.18], MILLINGTON [43.28, -83.53], TUSCOLA [43.32, -83.67]**

09/14/08 14:00 EST	75K	Flood (due to Heavy Rain)
09/15/08 12:00 EST	0	Source: Law Enforcement

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**WASHTENAW COUNTY --- MANCHESTER [42.15, -84.03], 5.0 NW CHELSEA [42.37, -84.09], SALEM [42.40, -83.57], WHITTAKER [42.13, -83.60]**

09/14/08 14:00 EST	0.20M	Flood (due to Heavy Rain)
09/15/08 12:00 EST	0	Source: Trained Spotter

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**WAYNE COUNTY --- NORTHVILLE [42.43, -83.48], GROSSE PT SHRS [42.43, -82.87], ROCKWOOD [42.07, -83.25], WEST SUMPTER [42.12, -83.50]**

09/14/08 14:00 EST	0.35M	Flood (due to Heavy Rain)
09/15/08 12:00 EST	0	Source: Trained Spotter

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**(MI-Z063) ST. CLAIR, (MI-Z069) OAKLAND, (MI-Z070) MACOMB**

09/14/08 17:00 EST	30K	Strong Wind (MAX 43 kt)
09/14/08 20:00 EST	0	

Heavy rain fell over southeast Michigan from September 12th-14th, with widespread 3 to 6 inches reported. Isolated amounts around 8 inches were even reported across northwest Genesee County. A slow moving cold front interacting with the remnants of two tropical systems, one being Lowell from the Pacific and the other being Ike from the Atlantic, led to the extreme rainfall totals. This heavy rain did cause some widespread flooding across much of southeast Michigan, but mostly minor flooding was reported, such as large pools of water on roads, road closures, along with some basement flooding. One of the most significant reported flooding occurred in Farmington Hills, where residents of the Manor of Farmington Hills had to be evacuated as water flowed through the patients rooms. A Clinton Township woman also had to be rescued as her car became submerged at Millar and Utica Roads. In addition to the heavy rain, the remnants of Ike did cause some strong winds which caused small tree limbs to fall and power outages to around 15,000 customers spread across Macomb, St. Clair, and Oakland counties.

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**LIVINGSTON COUNTY --- 1.6 ENE LAKELAND [42.48, -83.80], 0.9 S LAKELAND [42.46, -83.83], 0.8 NNE HAMBURG [42.46, -83.79], 1.9 NNE HAMBURG [42.48, -83.79]**

09/15/08 05:30 EST	0.15M	Flood (due to Heavy Rain)
09/24/08 00:30 EST	0	Source: River/Stream Gage

The Huron River at Hamburg crested at 7.6 feet during the morning of September 18th.

The Huron River at Hamburg reached its 4th highest stage on record due to heavy rain of close to 6 inches which fell during the weekend of September 13th to 14th. This major flood caused many roads, yards, and some roads to flood around Ore Lake and along the reach of the Huron River.